

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Liu, et al.

Serial No. 09/831,580

Filed: September 28, 2001

For: G PROTEIN-COUPLED RECEPTOR RESEMBLING
LEUKOTRIENE B4 RECEPTOR

Art Unit: 1646

Examiner: Murphy

RECEIVED
SEP 24 2003
TECH CENTER 1600-2900Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97

Sir:

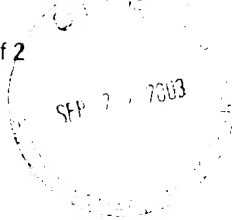
1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.

4. Pursuant to the waiver by the Office of the requirement under 37 CFR 1.98 (a)(2)(i) dated July 11, 2003, if the filing date of this application is after June 30, 2003, copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.



INFORMATION DISCLOSURE STATEMENT

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

RELATED APPLICATION		
U. S. SERIAL NUMBER	FILING DATE	MERCK CASE

If this is inconvenient, additional copies will be submitted upon request.

6. In accordance with 37 C.F.R. 1.97, (check one)

- ☐ the attached information is filed within three months of the filing date of the captioned case.
- ☒ the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.
- ☐ the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action or Notice of Allowance. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).
- ☐ the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

By: Vineet Kohli

Attorney _____ For Applicant(s)

Reg. No. 37,003

MERCK & CO., INC.

Patent Dept., RY60-30

P.O. Box 2000

Rahway, NJ 07065-0000

Substitute for form 1449A PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number	09 831,580
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Filing Date	September 29, 2001
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First Named Inventor	Liu
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Group Art Unit	1646
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Examiner Name	Murphy
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Attorney Docket Number	20332P
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of

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

1. Importance
2. Structure

Date _____
 Completed _____

Substitute for form 1449B PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				COMPLETE IF KNOWN	
				Application Number	09 831,580
				Filing Date	September 29, 2001
				First Named Inventor	Liu
				Group Art Unit	1646
				Examiner Name	Murphy
Sheet	2	of	4	Attorney Docket Number	20332P

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
		Cunningham, et al., "High-Resolution Epitope Mapping of hGH-Receptor Interactions by Alanine-Scanning Mutagenesis", Science, Vol. 244, pp. 1081-1085, (1989).
		DeGiulio, et al., "Increased Levels of Leukotriene β 4 and Interleukin-8 in Psoriatic Skin", Ann. New York Acad. Sci., Vol. 685, pp. 614-617 (1993).
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		Jameson, et al., "The antigenic index: a novel algorithm for prediction antigenic determinants", CABIOS, Vol. 4, No. 1, pp. 181-186 (1988).

Examiner Signature	Date Considered
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Substitute for form 1449B-PTO

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number 09 831,580
 Filing Date September 29, 2001
 First Named Inventor Liu
 Group Art Unit 1646
 Examiner Name Murphy
 Attorney Docket Number 20332P

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Sheet 3 of 4

NON PATENT LITERATURE DOCUMENTS

TECH CENTER 10/30/2000

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
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		Neu, et al., "Leukotrienes in the cerebrospinal fluid of multiple sclerosis patients", Vol. 86, pp. 586-587 (1992).
		Ng, et al., "Dopamine D2 Receptor Dimers and Receptor-Blocking Peptides", Biochem. Biophys. Res. Comm., Vol. 227, pp. 200-204 (1996).
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		Science, Vol. 265, pp. 1891-2144 (1994).
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Examiner
 Signature

Date
 Considered

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INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

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COMPLETE IF KNOWN

Application Number	09 831,580
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Filing Date	September 29, 2009
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First Named Inventor	Liu
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Group Art Unit	1646
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Examiner Name	Murphy
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Attorney Docket Number	20332P
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NON PATENT LITERATURE DOCUMENTS

Examiner
Initials*Cite
No.

Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.

GenBank Accession No. D89078

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Showell, et al., "The Preclinical Pharmacological Profile of the Potent and Selective Leukotriene B4 Antagonist CP-195543", J. Pharmacol. and Experi. Therapeutics, Vol. 285, No. 3, pp. 946-954.

Forster, et al., "A general method for screening mAbs specific for G-protein coupled receptors as exemplified by using epitope tagged BLR1-transfected 293 cells and solid-phase cell ELISA", *Biochem. Biophys. Res. Comm.*, Vol. 196, No. 3, pp. 1496-1503 (1993).

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Considered